



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090120-A

Mode: Highway

Status: Submitted

NC-49

From/Cross Street: Existing Four Lanes West of Farmer at SR 1174 (Waynick Meadow Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: East of SR 1163 (tot Hill Farm Road)

Project Category: Statewide Mobility

Length: 4.18

TIP#: R-2535A

Fully Funded in Draft STIP? No

Cost to NCDOT: \$29,419,000

Description:

SR 1174 West of Farmer to Proposed Asheboro Southern Bypass (R-2536) West of SR 1193. Widen to a Four Lane Divided Facility. Section A: Existing Four Lanes West of Farmer at SR 1174 (Waynick Meadow Road) to East of SR 1163 (tot Hill Farm Road)..

Division(s): Division 8

County(s): RANDOLPH

MPOS(s)/RPO(s): Piedmont Triad RPO

Project Location



Statewide Mobility Total Score: 8.54

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 17.84 Economic Competitiveness (10%) 0.12 Multimodal + [Freight & Military] (20%) 3.03 [Travel Time] Benefit/Cost (30%) 0.02 Safety (10%) 25.58	N/A	N/A
Totals: Weight: 100% Weighted Score: 8.54		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 17.84 Safety (10%) 25.58 [Travel Time] Benefit/Cost (25%) 0.02 Accessibility / Connectivity (10%) 19.09	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 8.93		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 17.84 Safety (10%) 25.58 [Travel Time] Benefit/Cost (20%) 0.02	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 6.13		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	4.18
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	4908.56
Capacity:	18545
Volume/Capacity Ratio:	0.26
% Autos:	88%
% Trucks:	12%
Truck Volume:	605.82
Crash Density:	31.55
Crash Severity:	25.86
Critical Crash Rate:	19.33
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	81
Actual Congested Speed:	57.99
Travel Time Index:	0.95

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	4.18
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	29082.05
Travel Time Savings for 30 Years (Autos):	25492.7
Travel Time Savings for 30 Years (Trucks):	3589.35
Long-Term Employment:	1
% Change in Economy:	1.32E-06
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Piedmont Triad RPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$26,448,000	TIP Unit
Right-of-Way Cost:	\$2,653,000	Cost Estimation Tool
Utilities Cost:	\$318,000	Cost Estimation Tool
Total Project Cost:	\$29,419,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$29,419,000	